ADVANTAGE
ENVIRONMENTAL LIGHTING

Cleanroom
LED LUMINARIES

CATALOG NUMBER	
PROJECT	
TYPE	

CLS
LED Clean Room Corner Mount

STANDARD | **OPTIONAL**

UL · IP65 · PROUDLY MADE IN USA · ISO 5 · BAA COMPLIANT | LUTRON

PRODUCT SPECIFICATIONS

DESCRIPTION
The CLS Series is an architecturally designed surface mount LED fixture suitable for clean room applications.

APPLICATIONS
The CLS Series is designed to be a high quality, energy efficient LED fixtures for use in clean rooms and areas that require a fixture that can be sprayed down.

CONSTRUCTION
One-piece die-formed prime grade material as specified. Corners continuously seam welded and smooth. Sealed and gasketed with an IP65 rating. Knockouts can be ordering through ordering options.

OPTICAL SYSTEM
The fixture is provided with a precision formed, high efficiency symmetrical reflector to provide exceptional downward throw. Choice of lens material, if additional lenses are required, consult factory.

ELECTRICAL SYSTEM
Electronic drivers are available for 120/277V applications, 0-10v dimming standard. Long-life LED system rated for 100K life hours (L70 @ 45°C). Complies with federal energy efficiency standards. Consult factory for special tuning to achieve specific lumen outputs.

MOUNTING
This fixture is designed for corner / wall / ceiling mounting, where the wall and ceiling meet.

LISTINGS
Independently tested to IESNA LM-79 and LM-80 specifications. UL and cUL Listed. IP65 rated. Suitable for ISO 5/Class 100 clean rooms. Manufactured in the USA, BAA compliant.

WARRANTY
5-Year Limited Warranty. Complete warranty and terms located at: www.aelnow.com/warranty

ORDERING INFORMATION
Example:CLS4-40-ML-PA125-B16-M-W
Custom Lumen Example: CLS4-40-ML-PA125-B16-M-W-6000 for 6,000 lumens

SERIES	BODY LENGTH (FT)		COLOR TEMP		ILLUMINATION LEVEL		LENS	
CLS	4	4'	30	3000K	SL	Standard Low	PA125	.125 Prismatic Acrylic
	8	8'	35	3500K	ML	Medium Low	PA156	.156 Prismatic Acrylic
	XX	Length in FT	40	4000K	HL	High Low	PP125	.125 Prismatic Polycarbonate
			50	5000K	SM	Standard Medium	PP187	.187 Prismatic Polycarbonate
					MM	Medium Medium		
					HM	High Medium		
					SH	Standard High		
					MH	Medium High		
					HH	High High		

HOUSING		DRIVER		VOLTAGE		FINISH		OPTIONS	
B16	Cold Roll 16 Gauge Steel	BLANK	0-10V 1% Dimming Driver (included standard)	M	120/277V	W	White	12EBL	1200 Lumen Emergency Ballast
SH16	Stainless Steel 16 Gauge	CD5	0-10V 5% to Off Dimming Driver			SP	Custom	EC	Emergency Circuit
		EDN	Electronic Driver Non-Dimming			AP	Antimicrobial Paint	KOL	Knockout Left Side[1]
		DALI	Dali Dimming Driver					KOR	Knockout Right Side[1]
		LDE1	Lutron Hi-lume 1% EcoSystem LED driver with Soft-on, Fade-to-Black dimming technology					KO2	Knockouts Both Sides[1]
		LDE5	Lutron LDE5 5-Series Ecosystem 5% Dimming						

[1]No Knockouts will be provided standard unless specified by ordering option.

DIMENSIONS

7.63

7.63

CLS4

20.75

3.35

41.50

48.00

CLS8

44.75

3.35

89.50

96.00
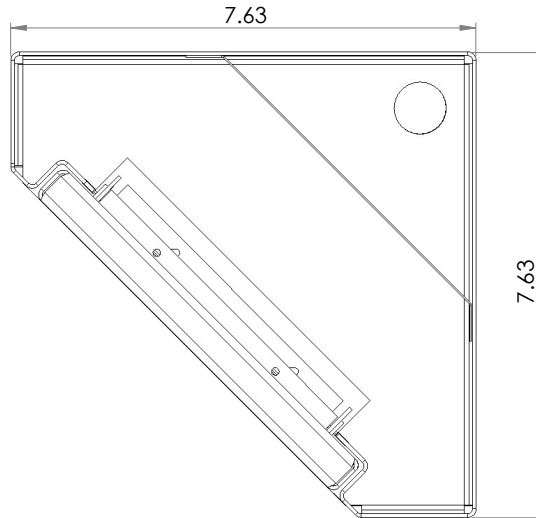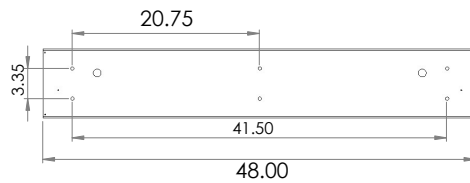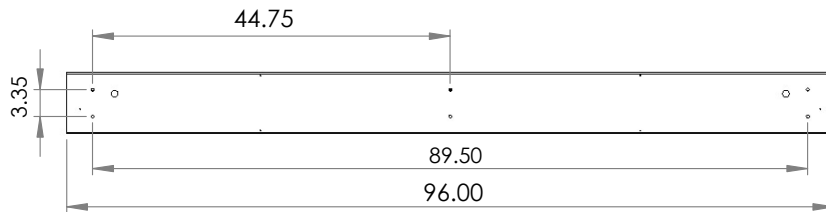
LED SYSTEM DATA

Output	Delivered Lumens	System Wattage	L70 @45°C (hrs)
SL	4650	33	>100K
ML	7974	57	>100K
HL	11150	80	>100K
SM	12040	86	>100K
MM	13016	93	>100K
HM	15728	112	>100K
SH	16500	118	>100K
MH	20000	143	>100K
HH	25000	179	>100K

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91

* Delivered Lumens shown were tested with 4000K LEDs